

AMENDMENTS TO THE CLAIMS

1. - 5. (Cancelled)

6. (Previously Presented) A copolymer latex for use in dip molding, which satisfies the following conditions:

(1) the copolymer is produced by copolymerization of 100 parts by weight of a monomer mixture (A) comprising 45 to 85 parts by weight of a conjugated diene monomer, 10 to 40 parts by weight of an ethylenic unsaturated nitrile monomer, 5 to 15 parts by weight of an ethylenic unsaturated acid monomer, and 0 to 20 parts by weight of any other ethylenic unsaturated monomer copolymerizable therewith;

(2) the content of methyl ethyl ketone-insoluble components in the copolymer is from 60% to 95% by weight; and

(3) the copolymer is produced by the following processes of:

(I) initiating a copolymerization reaction using a monomer mixture (a) that comprises at least 80% by weight of the total amount of the conjugated diene monomer, 50 to 90% by weight of the total amount of the ethylenic unsaturated nitrile monomer, 40 to 90% by weight of the total amount of the ethylenic unsaturated acid monomer, and at least 80% by weight of the total amount of the other ethylenic unsaturated monomer with respect to the respective components of the monomer mixture (A);

(II) adding the remainder of the ethylenic unsaturated nitrile monomer and the remainder of the ethylenic unsaturated acid monomer when the degree of polymerization conversion of the monomer mixture (a) is in the range from 5% to 95% by weight, wherein the remainders are a part of the monomer mixture (A) but not included in the monomer mixture (a); and

(III) also performing and completing addition of the remainder of the conjugated diene monomer and the remainder of the other ethylenic unsaturated monomer copolymerizable therewith by the time that the polymerization reaction is stopped.

7. (Previously Presented) The copolymer latex for use in dip molding according to claim 6, wherein the remainder of the ethylenic unsaturated nitrile monomer is added to the polymerization reaction system when the degree of polymerization conversion of the ethylenic unsaturated nitrile monomer in the polymerization reaction system is in the range from 40% to 95% by weight.

8. (Previously Presented) The copolymer latex for use in dip molding according to claim 6, wherein the remainder of the ethylenic unsaturated acid monomer is added to the polymerization reaction system when the degree of polymerization conversion of the total of the monomers in the polymerization reaction system is in the range from 20% to 80% by weight.

9. (Previously Presented) The copolymer latex for use in dip molding according to claim 7, wherein the remainder of the ethylenic unsaturated acid monomer is added to the polymerization reaction system when the degree of polymerization conversion of the total of the monomers in the polymerization reaction system is in the range from 20% to 80% by weight.

10. (Previously Presented) A composition for use in dip molding, comprising the copolymer latex for use in dip molding according to claim 6, a vulcanizing agent and a vulcanization accelerator.

11. (Previously Presented) A dip-molded product, which is produced by dip molding of the composition according to claim 10.

12. (New) The copolymer latex for use in dip molding according to claim 6, wherein a content of methyl ethyl ketone-insoluble components is 75 to 95% by weight.